



Gulf of Mexico Harmful Algal Bloom Bulletin

4 June 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: May 29, 2007

Conditions Report

There is no indication of harmful algal bloom presence alongshore Southwest Florida, including the Keys region, at the present time. No impacts are expected in any of the Florida counties today through Sunday.

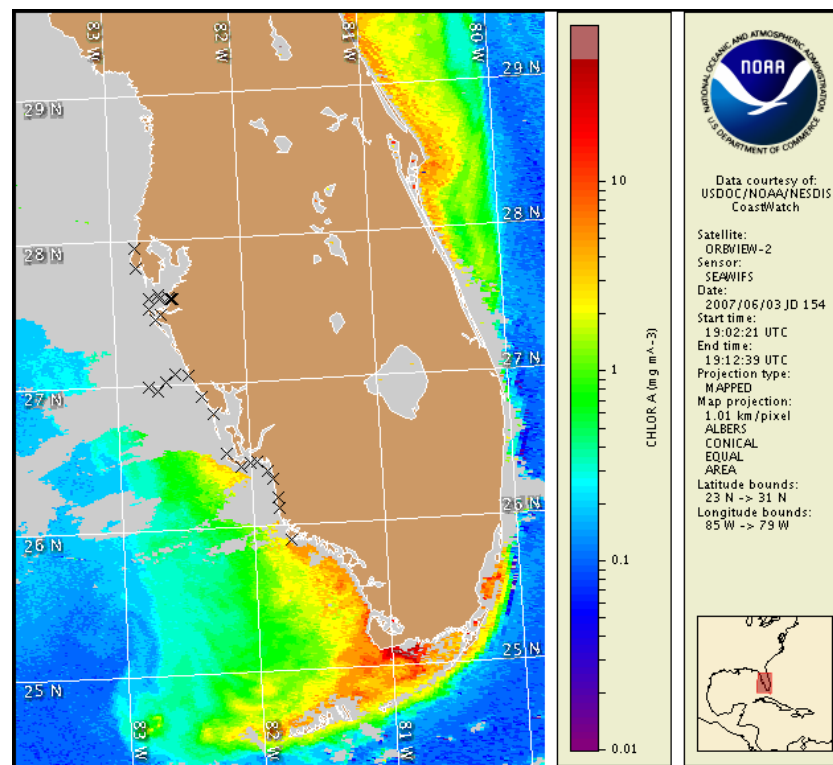
Analysis

In Pinellas, Manatee, Sarasota, Lee, and northern Collier Counties sample results indicate no presence of *Karenia brevis* (FWRI; 5/30). In the Ten Thousand Islands region of central Collier County only one of nine samples taken contained background levels of *K. brevis*; the other eight samples contained no *K. brevis* (FWRI; 5/29).

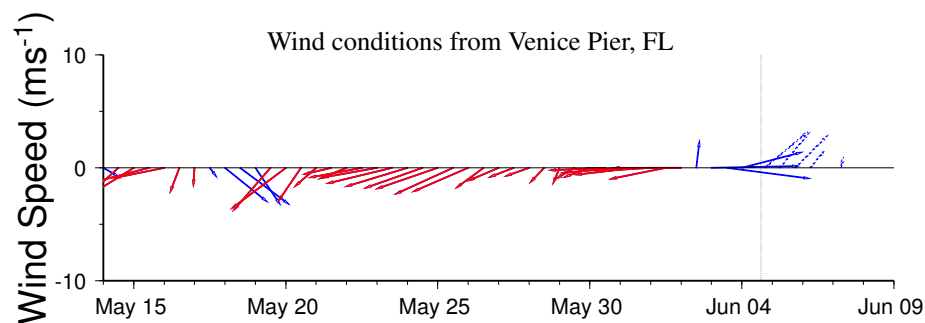
Satellite imagery indicates the presence of slightly elevated chlorophyll levels southwest of Sanibel Island in Lee County; however this patch is attributed to varying concentrations of non-harmful algal species as confirmed by field samples over the past few weeks (FWRI).

Onshore winds today through Wednesday and variable winds on Thursday and Friday will continue to make *K. brevis* bloom formation unlikely.

Urizar, Bronder



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 25-30 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

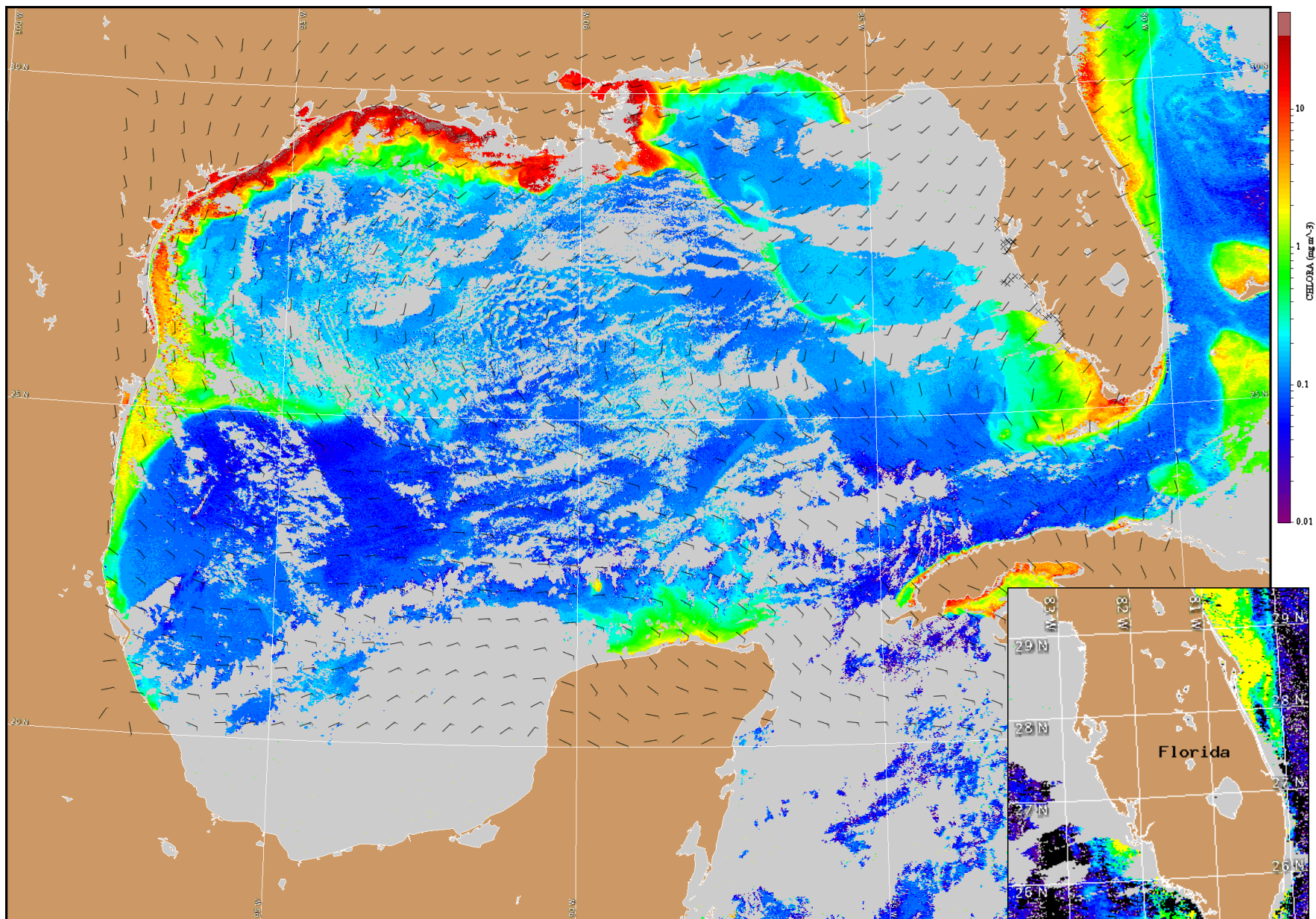


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Westerly winds (10-15 kt, 5-8 m/s) today. Southwesterly winds (5-10 kt, 3-5 m/s) tonight through Wednesday. Southerly winds Wednesday night (5 kt, 3 m/s). Variables winds (5-10 kt, 3-5 m/s) Thursday and Friday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for June 5, 2007 06Z with cell concentration sampling data from May 25-30 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).